Fusaric Acid induced promoter growth experiment

Putida Medium: LB medium, 50µg/ml fusaric acid, 50 microliters 3.1mM FeCl3

Grow for 18 hours in 50ml tubes:

3x WT putida in 5 ml putida medium
3x J4 putida in 5ml putida medium (with 50µg/ml Kanamycin added)
3x GFP putida in 5ml putida medium (with the appropriate antibiotic added)
2x 5ml putida medium (control)

Wash the cells twice with PBS (also wash the medium, since LB might give some background noise)

Spin the cells down for 10 minutes
Remove supernatant
Add 5 ml PBS
Resuspend the cells
Repeat the previous steps

Measure the fluorescence of all the samples at emission: 395, excitation 501
Measure the OD600 of all the samples
Subtract the fluorescence and OD600 value of the control from the values of the cells
Divide the fluorescence values by the OD600 values